

---

## Bromosporine

产品编号: D50812

CAS: 1619994-69-2

分子式: C<sub>17</sub>H<sub>20</sub>N<sub>6</sub>O<sub>4</sub>S

纯度: ≥98%

InChi: InChI=1S/C<sub>17</sub>H<sub>20</sub>N<sub>6</sub>O<sub>4</sub>S/c1-5-27-17(24)18-15-9-14(21-23-11(3)19-20-16(15)23)12-7-6-10(2)13  
(8-12)22-28(4,25)26/h6-9,22H,5H2,1-4H3,(H,18,24)

InChi Key: UYBRROMMFMPJAN-UHFFFAOYSA-N

Smiles: CC1=NN=C2C(=CC(=NN12)C1C=CC(C)=C(C=1)NS(C)(=O)=O)NC(=O)OCC

外观: 固体粉末

作用通路: Epigenetic Reader Domain

溶解性: DMSO up to 100 mM

保存条件: Store in dry, dark place for one year.

产品介绍: Bromosporine is a broad spectrum inhibitor for bromodomains with IC<sub>50</sub> of 0.41 μM, 0.29 μM, 0.122 μM and 0.017 μM for BRD2, BRD4, BRD9 and CECR2, respectively. In cell-based assays, Bromosporine (1 μM) accelerates FRAP recovery of BRD4 and CREBBP, while shows no activities against TIF1α, BAZ2A, and SMARCA2 (at 10 μM). Bromosporine shows moderate cytotoxicity in HeLa cells at 18 μM. It is a very useful chemical probe for bromodomain functional assays.